

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Christine McCarthy on 2/27/2008.

The application has been amended as follows.

In the claims:

1.1. Claim 1. (Currently Amended) A method of securing a device having data communication capability, comprising dynamically detecting a control connection, which originates from said device, noticing negotiation of a related connection within said control connection, said negotiation comprising at least defining a port of the device for said related connection, checking if relationship between said port of the device and the control connection fulfills predefined criteria, and conditionally blocking said related connection, if said port of the device does not fulfill said predefined criteria,

wherein said predefined criteria requires that said port of the device is opened within a predefined time window in relation to noticing negotiation of a related connection within said control connection, and wherein said predefined criteria requires that said control connection and said port of the device are opened by the same process family.

1.2. Claims 2-3 cancelled.

1.3. Claim 6. (Currently Amended) A device having data communication capability and comprising a module, which is configured to dynamically detect a control connection, which originates from said device, notice negotiation of a related connection within said control connection, said negotiation comprising at least defining a port of the device for said related connection, check if relationship between said port of the device and the control connection fulfills predefined criteria, and conditionally block said related connection, if said port of the device does not fulfill said predefined criteria.

wherein said predefined criteria requires that said port of the device is opened within a predefined time window in relation to noticing negotiation of a related connection within said control connection, and wherein said predefined criteria requires that said control connection and said port of the device are opened by the same process family.

1.4. Claim 8. (Currently Amended) A computer readable storage medium comprising a computer program that carries out steps procedure which comprises dynamically detecting a control connection, which originates from said device, noticing negotiation of a related connection within said control connection, said negotiation comprising at least defining a port of the device for said related connection, checking if relationship between said port of the device and the control connection fulfills predefined criteria, and conditionally blocking said related connection, if said port of the device does not fulfill said predefined criteria.

wherein said predefined criteria requires that said port of the device is opened within a predefined time window in relation to noticing negotiation of a related connection within said control connection, and wherein said predefined criteria requires that said control connection and said port of the device are opened by the same process family.

1.5. Claims 9-10 cancelled.

1.6. Claim 13. (Currently Amended) A computer readable storage medium, comprising a computer program that carries out a personal firewall process which further includes dynamically detecting a control connection, which originates from said device, noticing negotiation of a related connection within said control connection, said negotiation comprising at least defining a port of the device for

said related connection, checking if relationship between said port of the device and the control connection fulfills predefined criteria, and conditionally blocking said related connection, if said port of the device does not fulfill said predefined criteria,

wherein said predefined criteria requires that said port of the device is opened within a predefined time window in relation to noticing negotiation of a related connection within said control connection, and wherein said predefined criteria requires that said control connection and said port of the device are opened by the same process family.

1.7. Claim 14. (Currently Amended) A device having data communication capability and comprising a first detector dynamically detecting a control connection, which originates from said device, a second detector detecting a negotiation of a related connection within said control connection, said negotiation comprising at least defining a port of the device for said related connection, a controller checking if relationship between said port of the device and the control connection fulfills predefined criteria, and said controller conditionally blocking said related connection, if said port of the device does not fulfill said predefined criteria,

wherein said predefined criteria requires that said port of the device is opened within a predefined time window in relation to noticing negotiation of a related connection within said control connection, and wherein said predefined criteria

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requires that said control connection and said port of the device are opened by the same process family.

In the Specification:

1.8. Please add the following at the end of paragraph [0032]:

"The embodiments of the invention can be implemented using different mechanisms known by the one skilled in art, for example, a computer readable storage medium, known as part of a computer hardware".

/Matthew Heneghan/

Primary Examiner, Art Unit 2139

2. The text of those sections of Title 35, U.S. Code not included in this section can be found in the prior office action.
3. Claims 1, 6, 8, 13, and 14 have been amended by the applicant.
4. Claims 1, 4-8, 11-15, now re-numbered as claims 1-11 are pending.

***Response to Arguments***

5. Applicant's arguments in the action filed 2/21/2008, has been found persuasive in light of the limitations of the amended claims, and agreement reached on the telephone interview conducted 2/27/2008 (please see the attached Interview Summary).

***Allowable Subject Matter***

6. Amended claims 1, 4-8, 11-15, now re-numbered as claims 1-11 are allowed.

***Conclusion***

7. Any comments considered necessary by the applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "comments on statement of reasons for allowance."
8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Farid Homayounmehr whose telephone number is 571 272 3739. The examiner can normally be reached on 9 hrs Mon-Fri, off Monday biweekly.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Farid Homayounmehr

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Examiner  
Art Unit 2139

/Matthew Heneghan/

Primary Examiner, Art Unit 2139



**Application Number****Application/Control No.**

10/689,549

**Applicant(s)/Patent under  
Reexamination**

AIRAMO, JOONA

**Examiner**

Farid Homayounmehr

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